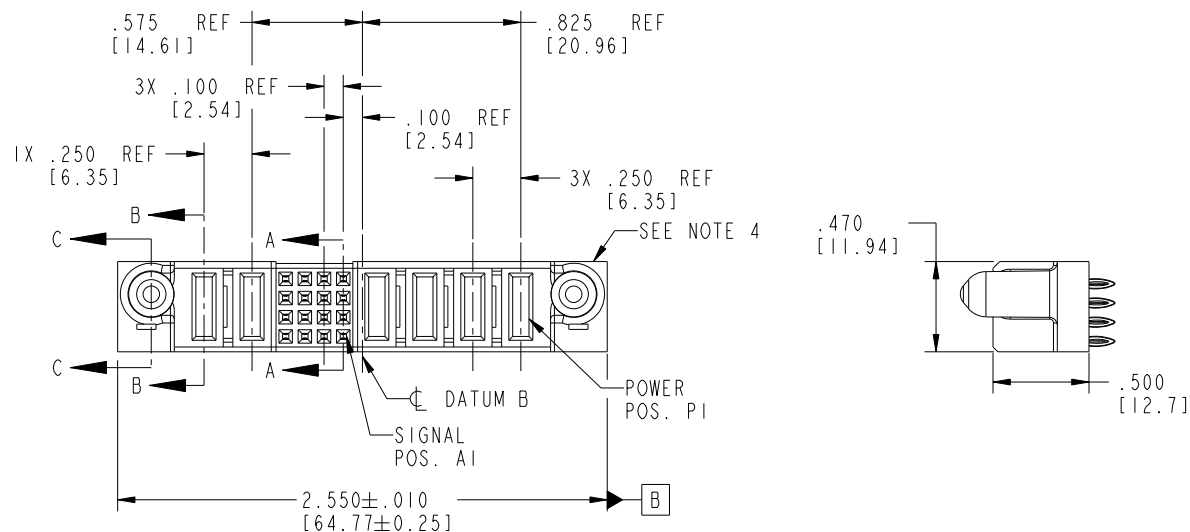


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PRODUCT NO.	ROWS	POWER											
		E2	P6	P5	4	3	2	1	P4	P3	P2	P1	E1
51750-059-- Note: ③	D C B A		PF	PC	F	F	F	F	PC	PC	PF	PF	



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
F	N/A [N/A]	SIGNAL
PC	.042 [1.07]	POWER
PF	.092 [2.34]	POWER

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3				COPY			title					
A	V04-0348	TAB	04/08/04		.XXY±.005/0.XX±0.13				projection			4P + 16S + 2P					
B	D605-0171	GuoJM	06/17/05	angles	.XXXX±.0020/0.XXX±0.051						VERTICAL PRESS-FIT RECEPTOR						
C	D608-0251	W D	09/13/08		0°±2°												
				dr	T. BRUNGARD 04/08/04						product family		PwrBlade		code		
				engr	M. GRAY 04/08/04						size		dwg no			213	
				chr	M. GRAY 04/08/04				scale		A		51750-059		sheet 1 of 4		
				appd	M. GRAY 04/08/04												
sheet index		revision sheet		C	C	C	C	C									
				1	2	3	4										

Pro/E

PDM: Rev: 3

STATUS: **Released**

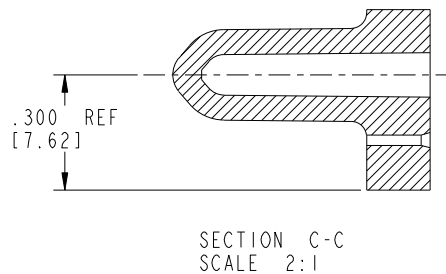
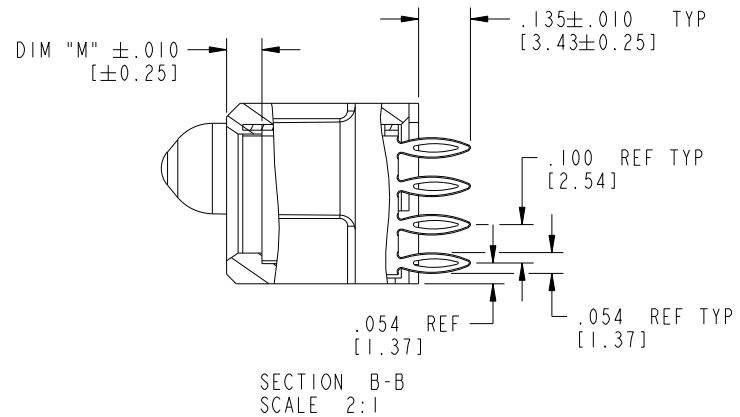
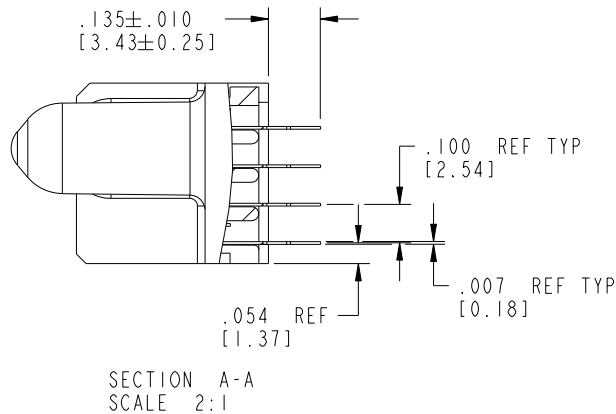
Printed: Dec 20, 2010

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PRODUCT NUMBER
51750-059__
Note: (3)



mat'l code				tolerances unless otherwise specified			CUSTOMER	
SEE NOTE 2							COPY	
litr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection		
C					.XXX±.005/0.XX±0.13			
				angles	.XXXX±.0020/0.XXX±0.051		INCH/MM	
					0°±2°			
				dr	T. BRUNGARD 04/08/04	scale	1:1	
				enr	M. GRAY 04/08/04			
				chr	M. GRAY 04/08/04		A	
				appd	M. GRAY 04/08/04			
sheet index	revision sheet						51750-059	
							2 of 4	



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title 4P + 16S + 2P
VERTICAL PRESS-FIT RECEPT

product family PwrBlade code 213

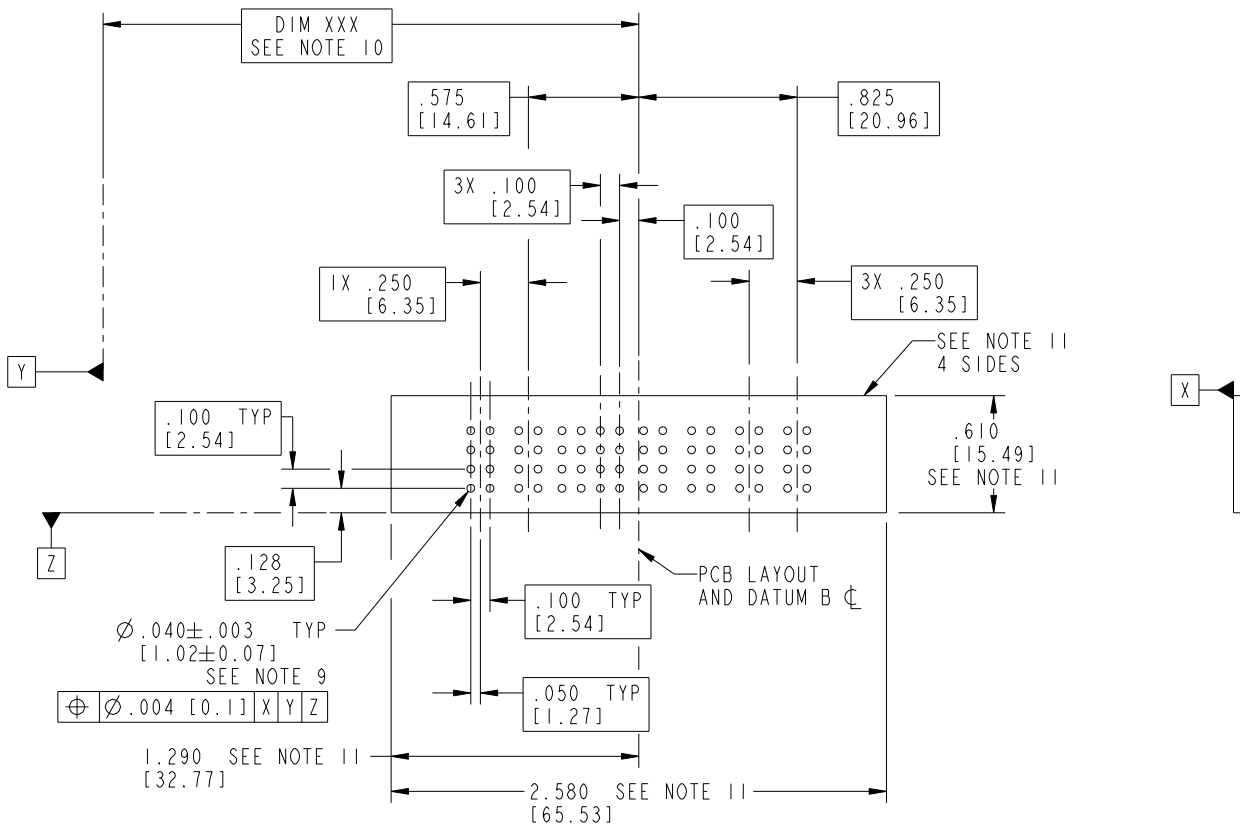
size dwg no 51750-059 sheet 2 of 4

cage code 22506
STAT: Released

Printed: Dec 20, 2010



PRODUCT NUMBER
51750-059__
Note: (3)



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecr no.	dr	date					COPY		www.fciconnect.com	
C						linear	.XX±.01/0.X±0.3	projection		title 4P + 16S + 2P	
						angles	.XXX±.005/0.XX±0.13			VERTICAL PRESS-FIT RECEPT	
							.XXX±.002/0.XXX±0.051			product family PwrBlade	
						dr	T. BRUNGARD 04/08/04			size 213	
						enrg	M. GRAY 04/08/04			sheet 3 of 4	
						chr	M. GRAY 04/08/04				
						appd	M. GRAY 04/08/04				
sheet index		revision sheet									

1 | 2

3

4

PRODUCT NUMBER

51750-059__

Note: (3)

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH
ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

CONNECTOR NOTES:

- (2) HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC
POWER CONTACT MATERIAL: COPPER ALLOY
SIGNAL PIN MATERIAL: COPPER ALLOY

(3) SEE ITEM 7 & 8 IN PRINT 10064183 FOR PLATING SPEC OF 51750-059 AND 51750-059LF RESPECTIVELY.

- (4) MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.
APPLICATION SPECIFICATION BUS-20-067.

6. PACKAGED IN TRAYS.

PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

- (8) MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

- (9) $\varnothing .0453 \pm .0010$ [1.151 $\pm$ 0.025] DRILLED HOLES PLATED WITH
.0003 [0.008] MIN SnPb OVER .001 [0.03]
TO .003 [0.08] Cu PLATING TO ACHIEVE
 $\varnothing .040 \pm .003$ [1.02 $\pm$.07] HOLE.

- (10) "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

- (11) CONNECTOR KEEP-OUT ZONE.

12. A (3) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED
WITH THE CURRENT DRAWING REVISION.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				FCI			
litr		ecr no.		dr		date		linear		.XX $\pm$.01 / 0.X $\pm$ 0.3		projection		COPY		www.fciconnect.com			
C								.XXX $\pm$.005 / 0.XX $\pm$ 0.13				INCH/MM				title 4P + 16S + 2P			
								.XXXX $\pm$.0020 / 0.XXX $\pm$ 0.051				scale				VERTICAL PRESS-FIT RECEPT			
								angles 0° $\pm$ 2°								product family PwrBlade			
								dr T. BRUNGARD 04/08/04								code 213			
								enrg M. GRAY 04/08/04								size 51750-059			
								chr M. GRAY 04/08/04								sheet 4 of 4			
								appd M. GRAY 04/08/04											
sheet index		revision sheet																	

1 | 2

Pro/E

PDM: Rev: C

STATUS: Released

Printed: Dec 20, 2010

Mouser Electronics

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